



# **Unique Item Identifier JRIB Presentation December 2004 (LeAntha Sumpter)**



# UII Spirals

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- ◆ Initial Operational Capability (Complete)
- ◆ Spiral 2 – Enhanced Item Intelligence (Sept 04-Sept 05)
  - GFP
  - Parent/Child
  - Virtual UIIs
  - Registry Access
  - Receipt and Acceptance Reengineering
  - Legacy Data Entry



# UII Spirals

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## Spiral 3 – DoD UID Integration (Sept 05- Sept 06)

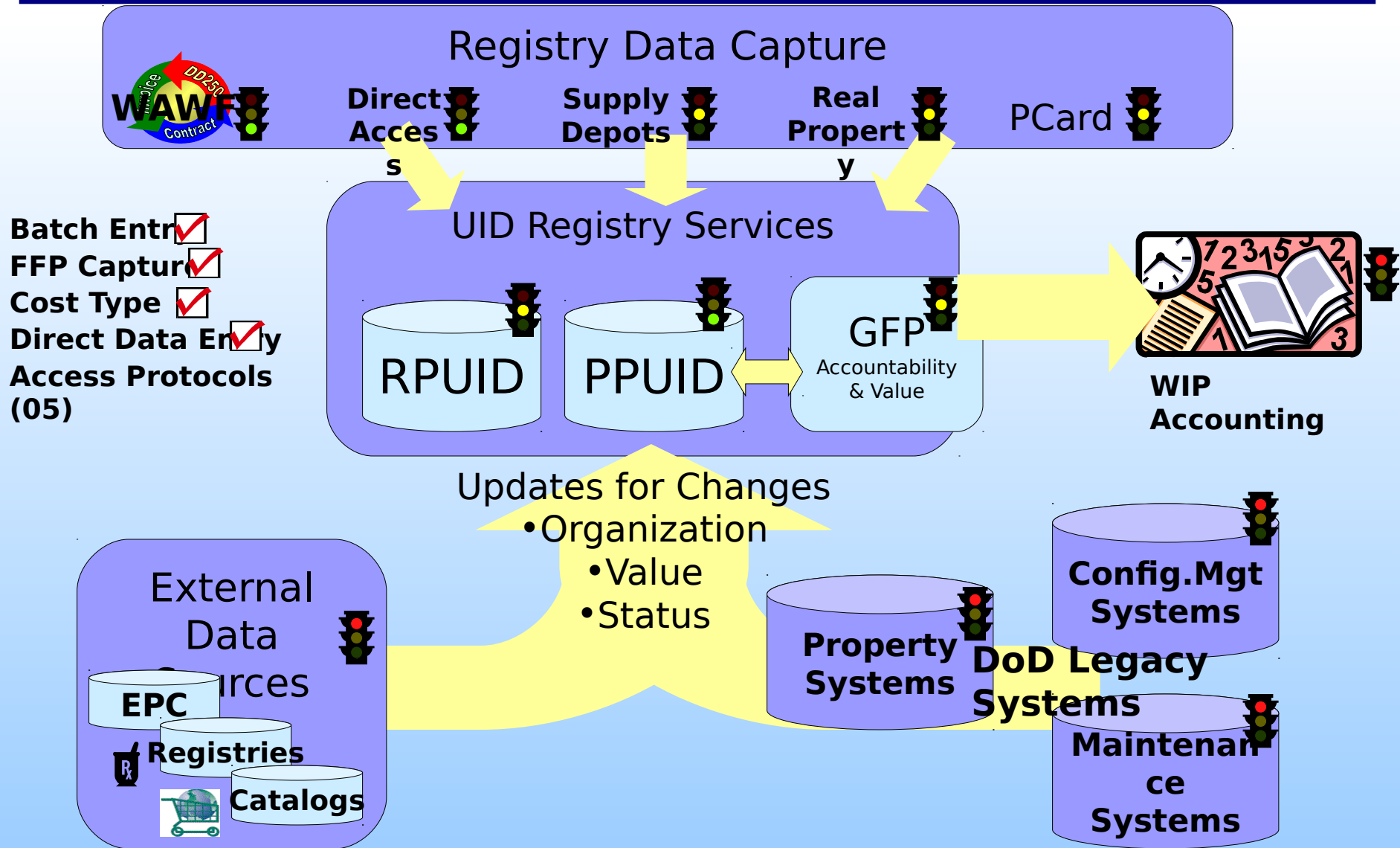
- Integrate UII with real property unique ID
- Demonstrate integration with J4/J8/P&R Organization ID
- Paperless GFP management

## Spiral 4 – Operationalize Accountability and Value (Sept 06 – Sept 07)

## Spiral 5 – Operational UID Capability (Sept 08 - Sept10)



# Property UID Systems Environment “T





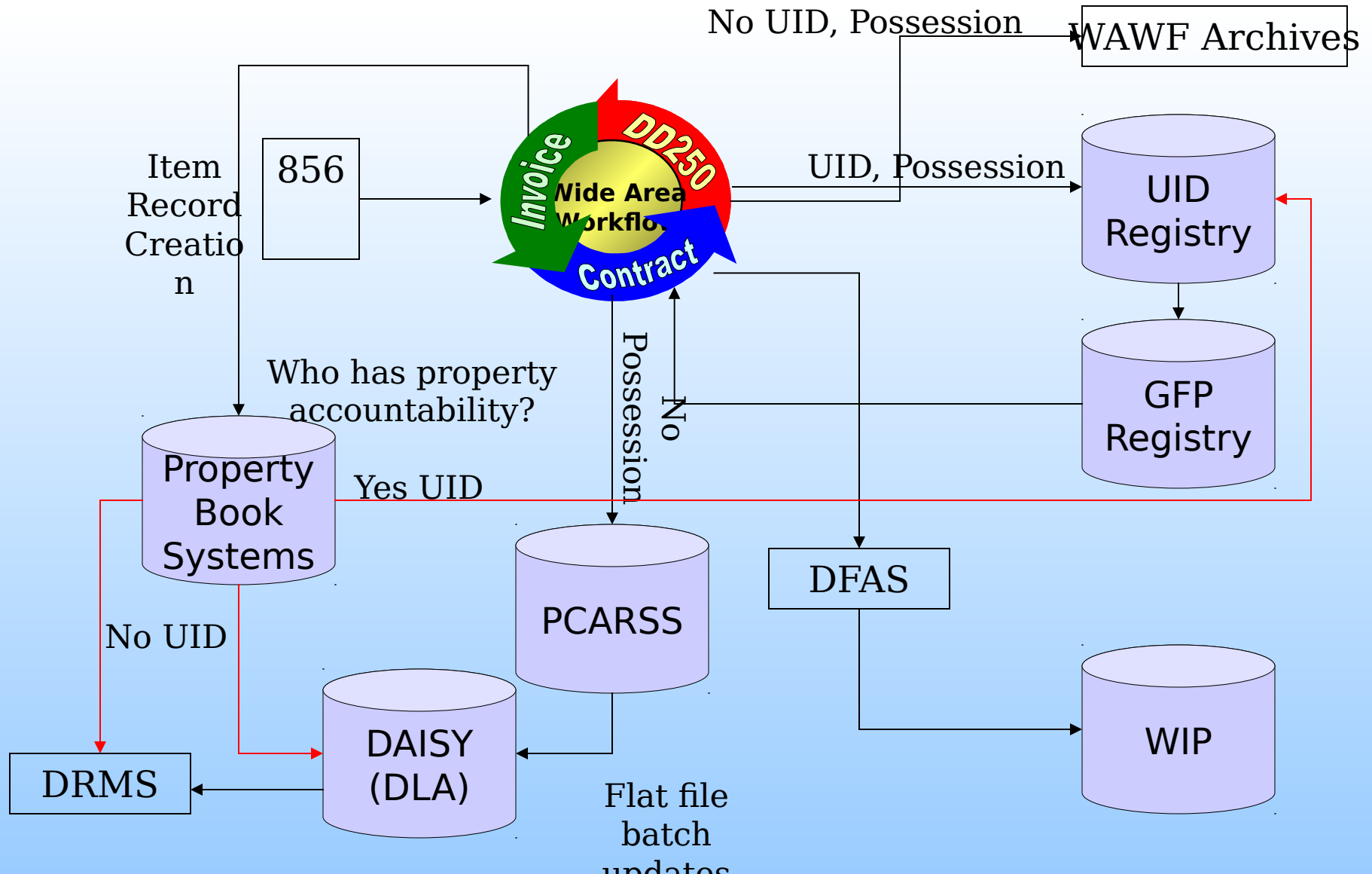
# Where is the UID GFP Policy going?

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- ◆ Will establish a higher UID standard for GFP equipment and installed spares/parts
- ◆ Material accountability may be assisted by RFID
- ◆ Process re-engineering and data standardization is critical
- ◆ End to end process will be incremental; Create data once – use many times
- ◆ 1662 transition process to begin Oct 1 2005; requirements will be set March 05; will include real property
- ◆ Goal is one face to industry; paperless property management capturing:
  - Value of GFP in delivered items
  - Value of GFP in WIP
- ◆ Asset visibility is a higher requirement than UID



# Portal for Property Transfers





# Reengineering Property Transfers

	<b>Acceptance Point</b>	<b>Phase I Present-May 05</b>	<b>Phase II Oct04-Jan 06</b>	<b>Phase III Oct05-Sep 07</b>	<b>Phase IV Oct06-Sep 08</b>
<b>External - Internal acceptance</b>	Source and Destination	Dependent on completion of WAWF deployment			
<b>External - Internal receipt and acceptance</b>	Destination	Dependent on DSS-WAWF Integration			
<b>Internal - External receipt and acceptance</b>	Destination		GFP capture at WAWF or contractor		
<b>Internal - Internal receipt</b>	Destination			Integration w/Property Records	
<b>Internal - Internal acceptance</b>	Source and Destination				Captures & reconciles accountability transfer
<b>External - Internal acceptance (Real Property)</b>	On site				Integrating acquisition & real property records



	FY05- 2Q	FY05- 3Q	FY05- 4Q	FY06- 1Q	FY06- 2Q	FY06- 3Q	FY06- 4Q
	Jan Mar	Feb Apr Jun	May Jul Sep	Aug Oct Dec	Nov Jan Mar	Apr Jun Aug	Sep Nov Jan
DOD CONOPS Released							
CAE Briefs							
Legacy Policy Memo							
ACAT 1D Weapon Sys UID Plans Due							
All Other Weapon Sys UID Plans Due							
Registry Update Released							



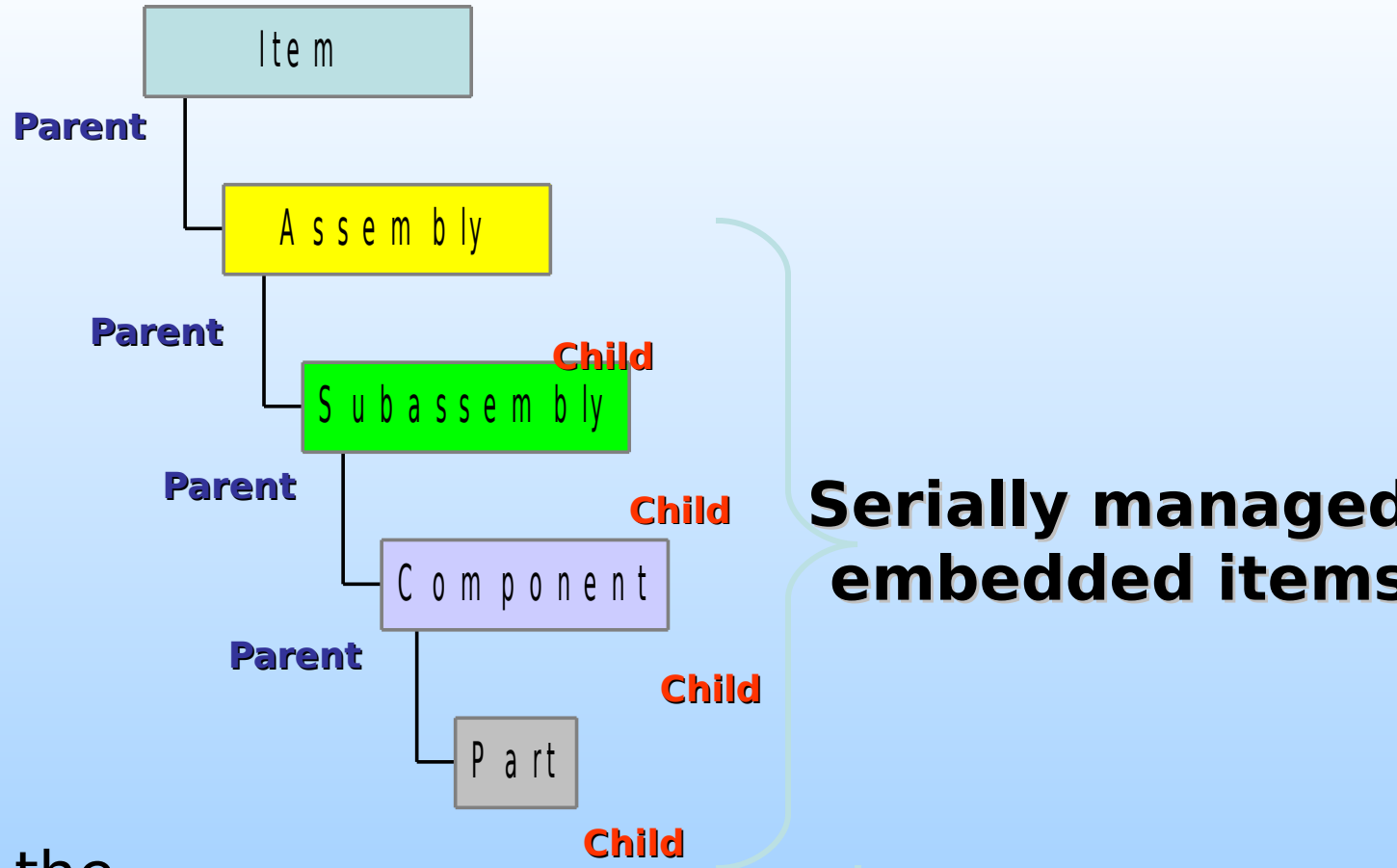


# UID Data Element Summary - January 2005

Descriptive data		GFP	
	UID		CAGE
	Issuing Agency Code		Contract Number
	Enterprise Identifier		DoDAAC
	Original Part Number		DUNS
	Serial Number		Received Date
	UID Type		Sent Date
	Description		Status Flag
	Batch/Lot		
	Current Part Number		<b>Mark</b>
	Current Part Number Effective Date		Contents
	Manufacturer Identifier		Effective Date
	Parent UID		AddedOrRemoved
	<b>ContractInfo</b>		Marker Code
	Contract Number		Marker Identifier
	Prime Contractor Identifier		Medium
	Acceptance Code		Value
	Acceptance Date		<b>Open Items</b>
	Acquisition Cost		Custodian or Steward
	CLIN/SLIN/ELIN		Location UID
	Foreign Currency Code		Program UID
	Ship-to Code		Item Status
	Unit of Measure		Current Value
			Alias (system unique)



# Parent Child Hierarchy

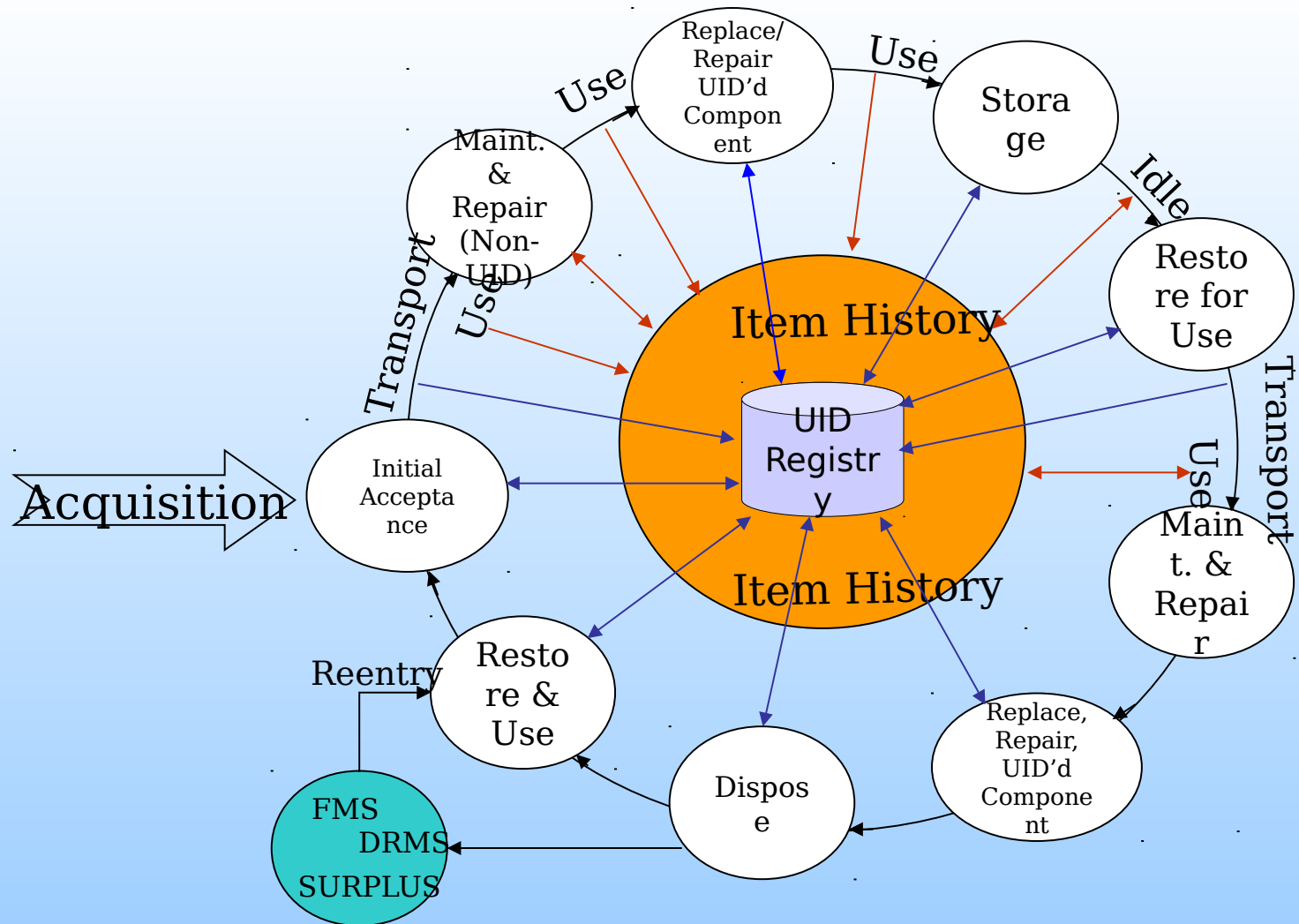


Derived from the  
requirements of DFARS

211.274



# Item Lifecycle





# Strategic Next Steps

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## ◆ **December 04**

- USD (AT&L) refine task to re-engineer receipt and accountability
- USD (AT&L) Legacy & GFP policy issuance

## ◆ **January/February 05**

- Refine CONOPS with Services
- Develop process alternatives to paperless GFP

## ◆ **March 05**

- Hold UID workshop for PMs
- Next Industry GFP Meeting



# JALC - Action/Initiative

## Description:

- JALC UID Working Group

## Aeronautical Areas Impacted:

All areas are impacted.

## Services/Agencies Impacted:

- ◆ DoD, Army, Navy, Air Force, USCG, DHS, DCMA, DLA, Allied Nations (UK, CAN, AUS)
- ◆ Major Aerospace Corporations
  - Boeing, LMCO, Northrop-Grumman, RR, GE, UTC-Pratt/SAC/HSD, Honeywell, Raytheon, L3, Bell Textron

## Date Action Initiated:

December 2003

## Status:

- ◆ On-Going Government and Industry Forum consisting of all military services, weapons system manufacturers, and depot organizations.
- ◆ Addressing OSD UID Policy including acquisition and logistics processes

## ILS Elements impacted by this opportunity:

\*\*\*ALL\*\*\*

Depot Operations	Support Equipment
Supply Support Maintenance Planning	
Design Interface	Computer Resources
Manpower, Personnel & Training	
Facilities	
Tech Data Storage	Support Equipment
Package, Handling, Storage & Transportation	



# Action/Initiative (Con't)

## **Link to JALC Metrics:**

UID integrated with associated AIT will enhance services' ability to carryout mandated KPPs & CTPs

### **Reducing Total Cost:**

- ◆ **Unique Identification of all DoD assets facilitates valuation requirements reporting mandated by OSD. This effort will reduce total ownership costs through reduction in procurement of excess assets and improved warranty management**
- ◆ **This effort complements PBL activities and contributes to the benefits derived from PBL.**
- ◆ **Industry experience has demonstrated significant savings within the manufacturing operation. Industry anticipates up to 20% savings alone in manufacturing.**
- ◆ **UID will enable improved data quality.**

### **Reducing Cycle Time:**

- ◆ **Assets required to satisfy mission requirements can be located expeditiously and redirected as required - especially beneficial to joint commanders.**

### **Improving Reliability:**

- ◆ **Direct Part Marking assets enables engineering activities to accurately monitor time on wing and facilitates quick location of assets impacting safety.**
- ◆ **Will assist in prevention of downing entire fleet in instances where locations of flawed parts may have been otherwise unknown, saving time and funding, and enhancing configuration management.**

### **Managing Inventories:**

- ◆ **UID of DoD assets will enable fleet users to more accurately manage and track assets, improve the ability of the supply system infrastructure to more quickly support fleet requirements.**
- ◆ **Provides Joint Commanders with the flexibility to identify and direct assets to required locations more efficiently and effectively.**

## **Recommended Way Ahead:**

- ◆ Foster aviation leadership support and engage government and industry by actively participating in joint UID implementation working groups.

## **Metrics/ROI:**

- ◆ Industry and government have identified significant ROIs ranging from 5% to 25%.

## **Alternative Approach (if applicable):**

- ◆ None: UID is a DoD-mandated requirement.



# Link to JALC Metrics

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- ◆ This effort complements PBL activities and contributes to the benefits derived from PBL.
- ◆ Industry experience has demonstrated significant savings within the manufacturing operation. Industry anticipates up to 20% savings alone in manufacturing.
- ◆ UID will enable improved data quality.

## Reducing Cycle Time:

- ◆ Assets required to satisfy mission requirements can be located expeditiously and redirected as required – especially beneficial to joint commanders.

## Improving Reliability:

- ◆ Direct Part Marking assets enables engineering activities to accurately monitor time on wing and facilitates quick location of assets impacting safety.
- ◆ Will assist in prevention of downing entire fleet in instances where locations of flawed parts may have been otherwise unknown, saving time and funding, and enhancing configuration management.

## Managing Inventories:

- ◆ UID of DoD assets will enable fleet users to more accurately manage and track assets, improve the ability of the supply system infrastructure to more quickly support fleet requirements.
- ◆ Provides Joint Commanders with the flexibility to identify and direct assets to required locations more efficiently and effectively.